

Title (en)

BOPP-BASED ARTICLE WITH WET BARRIER PROPERTIES

Title (de)

BOPP-BASIERTER ARTIKEL MIT NASSBARRIEREEIGENSCHAFTEN

Title (fr)

ARTICLE BASÉ SUR BOPP AVEC DES PROPRIÉTÉS DE BARRIÈRE HUMIDE

Publication

EP 3666521 A1 20200617 (EN)

Application

EP 18425101 A 20181214

Priority

EP 18425101 A 20181214

Abstract (en)

The layered article comprises a BOPP-based film, at least one intermediate layer acting as an oil and gas barrier and including polyvinyl alcohol or polymeric binder and at least one amino acid, and an outer layer protecting the intermediate layer against moisture.

IPC 8 full level

B32B 27/08 (2006.01); **B32B 27/32** (2006.01); **B65D 65/40** (2006.01); **C08J 7/04** (2020.01)

CPC (source: EP)

B32B 27/08 (2013.01); **B32B 27/32** (2013.01); **C08J 7/042** (2013.01); **C08J 7/043** (2020.01); **C08J 7/048** (2020.01); **B32B 2250/03** (2013.01); **B32B 2250/242** (2013.01); **B32B 2250/40** (2013.01); **B32B 2255/10** (2013.01); **B32B 2255/26** (2013.01); **B32B 2255/28** (2013.01); **B32B 2307/308** (2013.01); **B32B 2307/518** (2013.01); **B32B 2307/7242** (2013.01); **B32B 2307/7244** (2013.01); **B32B 2307/7246** (2013.01); **B32B 2307/746** (2013.01); **B32B 2439/02** (2013.01); **B32B 2439/70** (2013.01); **C08J 2323/12** (2013.01); **C08J 2401/08** (2013.01); **C08J 2433/04** (2013.01); **C08J 2475/04** (2013.01)

Citation (applicant)

- US 5667902 A 19970916 - BREW JOSEPH EDWARD [US], et al
- WO 03066324 A1 20030814 - TORAY PLASTICS AMERICA INC [US]
- WO 9627624 A1 19960912 - MOBIL OIL CORP [US]
- WO 2013160199 A1 20131031 - KURARAY EUROPE GMBH [DE], et al
- EP 3369767 A1 20180905 - VIBAC SPA [IT]

Citation (search report)

- [XYI] WO 9601736 A1 19960125 - MOBIL OIL CORP [US]
- [X] US 2013004764 A1 20130103 - HUANG HONGCUN [CN]
- [XYI] EP 2881250 A1 20150610 - TORAY PLASTICS AMERICA INC [US]
- [YD] EP 3369767 A1 20180905 - VIBAC SPA [IT]
- [Y] WO 2012131362 A2 20121004 - SUN CHEMICAL BV [NL], et al
- [Y] US 2012088108 A1 20120412 - PAOLILLI TRACY [US], et al
- [Y] JP H07256811 A 19951009 - TOPPAN PRINTING CO LTD

Cited by

EP4098435A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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